**University of the Punjab**

**Gujranwala Campus**

**Department of Information Technology**



**Assignment: Computer Vision**

**Prepared by:**

**Muhammad Zubair**

**Roll no:**

**BIT21250**

**Submitted to:**

**Miss Fouqia Zafeer**

**Feature Extraction:**

**Skeletonization using Morphological Operations**

**Code:**

% Read the binary image

BW = imread('circles.png');

% Display original image

imshow(BW);

% Remove interior pixels, leaving only boundary pixels

BW2 = bwmorph(BW, 'remove');

% Display boundary image

figure, imshow(BW2);

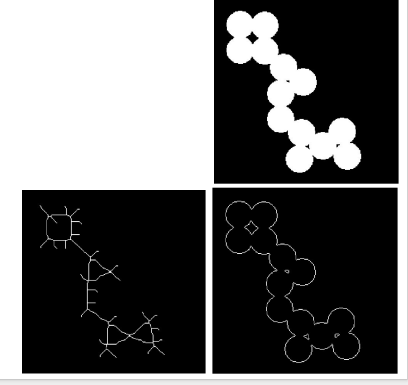
% Perform skeletonization

BW3 = bwmorph(BW, 'skel', Inf);

% Display skeletonized image

figure, imshow(BW3);

**OUTPUT:**

****